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October 2014

Split System

Inverter Air Conditioners



MHIAA is proudly sponsoring
Monika's Doggie Rescue

DXK Series.

Wall Mount Air Conditioners.

Semi Exclusive to
The Good Guys



The ideal solution
for air conditioning

Equipped with an easy to use controller boasting an assortment of convenient functions and filters, compact stylish design and quiet operation, a Mitsubishi Heavy Industries air conditioner will be a valuable addition to any home. You can rest assured that your family will enjoy the luxury of air conditioned comfort all year round.

The range includes capacities from as low as 2.0kW to as high as 9.2kW which means you can air condition the smallest bedrooms to the largest entertainment areas. Priding itself on the reliability of its air conditioners and, with offices across Australia and an extensive network of service agents, Mitsubishi Heavy Industries will keep your air conditioner working perfectly.



Features.

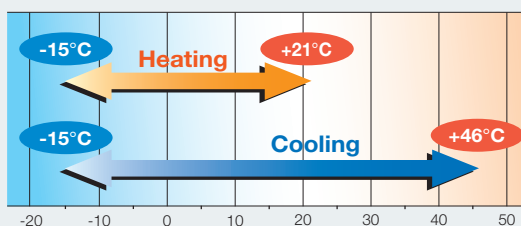
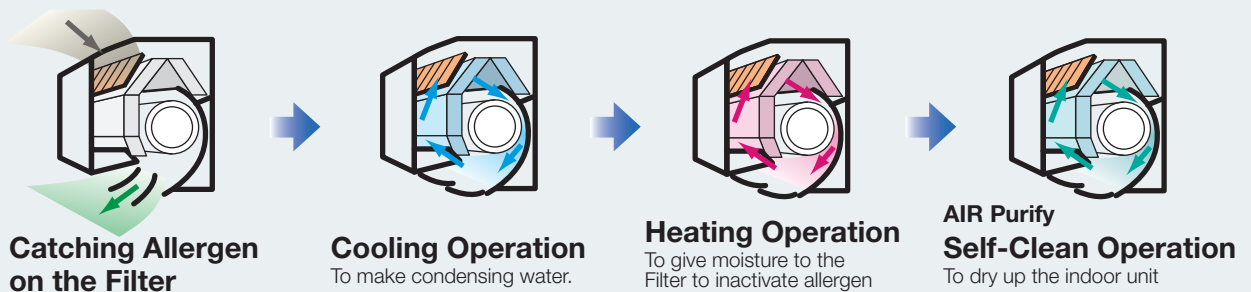


Self Clean Operation

"The 'Self Clean operation' can be run after an Auto, Cool, or Dry cycle to remove the moisture from inside the indoor unit and control the growth of mold and bacteria. The 'Self Clean Operation' runs for approximately 2 hours and this feature can be selected on the remote control."

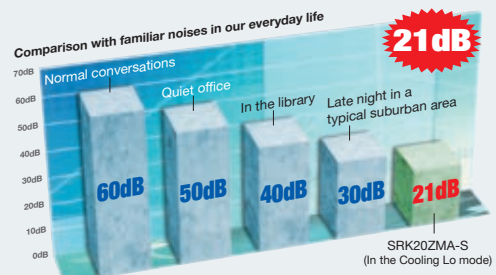
Allergen Clear System

The 'Allergen Clear System' reduces the effect of the allergens caught by the filter by controlling temperature and humidity.



Wide Operation Range

Heating and cooling operations are possible at an outdoor temperature as low as -15°C . Our advanced technology has improved the heating and cooling operation range. Units can be installed when heating or cooling operations are required at low ambient conditions down to -15°C .



Quiet Operation

The secret of quiet operation.

The combination of the jet airflow system and serration stabilizer configuration ensures uniform breeze to every corner of the room. It also makes it possible to lower the operation noise further by minimizing the interaction between airflow and the fan.

DRED.

DRED enabled
(complies to AS/NZS4755)

The new RAC model range include a Demand Response Enabling Device (DRED) built into each indoor unit in the ZMA/ZMXA range.

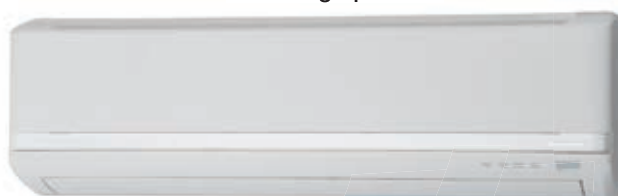
A unit installed with a DRED device allows you to participate in incentive programs applicable to your region, such as the ENERGEX QLD Positive Payback Program.



Long Reach Air Flow

The jet technology enables powerful airflow ideal for large living areas and commercial premises.

DXK24,28,32ZMA-S
in cooling operation



17m



Silicon-Coated PCB

The printed circuit board of the outdoor unit is coated in silicon. The coating ensures longevity of the board in humid conditions.



Superior Corrosion Resistance

The base of the outdoor unit is hot dipped to provide superior corrosion and scratch resistance.



Three Sensors

Control of room temperature and humidity is very important. Use of three sensors to control indoor temperature, indoor humidity and outdoor temperature enable the unit to obtain optimum air-conditioning.



Humidity Sensor included in:
DXK18,24,28,32



All SRC & DXC

Functions.

Filter



Allergen Clear Filter

The filter breaks down the pollen, lice, and all allergens that live on cat skins, etc. and deactivates them.



Photocatalytic Washable Deodorizing Filter

It keeps air fresh by deodorizing the molecules causing odor. The deodorizing ability can be easily restored simply by cleaning and exposing the filter to the sunlight.



Natural Enzyme Filter

Enzymes used in the filter are naturally occurring lytic enzymes which attack cell walls of microorganisms trapped on the filter and destroy them.



Allergen System

Suppresses the influence of the allergen caught by the filter.



Self Clean

The indoor fan continues to operate on ultra low speed to dry the unit.

Comfortable Functions



Fuzzy Auto Mode

Automatically the unit determines its operating mode and temperature setting based on a fuzzy calculation and adjusts the inverter frequency.



Automatic Operation

The air conditioner automatically selects from heating, cooling or dry operation.



"HI POWER" Operation

The unit can operate continuously in HI POWER mode for 15 minutes. This mode is used to reach the desired temperature quickly.



Three "Hot" System

'Hot start' enables the unit to begin heating operation quickly. 'Hot spurt' is a fast heating system that works to increase the temperature setting by two degrees. 'Hot keep' is used during the automatic defrost cycle to prevent cool air being circulated. These three operational control systems help ensure comfortable and efficient heating.

Comfortable Air Flow Functions



3D Auto

You can choose the best heating or cooling pattern with the touch of a button.



Auto Flap Mode

The unit automatically selects the optimal angle whatever the operation mode.



Air Scroll

The swing of the flap causes the air flow to spiral and the breeze to reach all corners of the room.

COOLING & DRY
Horizontal blowing

HEATING
Slant forward blowing

COOLING & DRY

Thick line — : moves quickly
Thin line — : moves slowly

HEATING

Thick line — : moves quickly
Thin line — : moves slowly



Memory Flap

While the flap is swinging it can be stopped at any angle. The flap returns to this position next time the unit starts.



Up/Down Flap Swing

The Up/Down flap can be adjusted to the preferred angle anywhere between horizontal and perpendicular.

SWING FLAP

Flap moves up and down continuously.



Lateral Swing

The lower swings from right to left automatically. Lower angle can be fixed in any desired position.



Air Outlet Selection

Both lower and upper air outlets and upper air outlet can be selected. (SRF models only)



Positioning of Installation

You can set the left-right air flow directions when you install the air conditioner near the side wall by remote controller operation.

Convenience & Economy Functions



On Timer

This enables the operation to start a little earlier so that the room is near to the set temperature at ON time.



24-hour On/Off Programmable Timer

By combining a start timer with a stop timer you can register two timer operations a day. Once set timers will start or stop the system at the specified time of the day repeatedly.



Economy Mode

The unit achieves effective energy saving operation while still keeping a comfortable cooling or heating operation.



Off Timer

The unit stops at the specified time.



Dry Operation

The unit dehumidifies the room by intermittent cooling operation.



Sleep Mode

The room temperature is automatically controlled during the set sleep mode period ensuring that the room temperature will not get too hot or cold.



Weekly Timer

Up to 4 programs with timer operation (ON-TIMER/OFF-TIMER) are available for each day of the week. MAX 28 programs per week can be set.



Silent Operation

The sound level of outdoor units is at least 3dB(A) lower than the nominal level.



Night Setback

During cold seasons, room temperatures can be maintained at a comfortable level even while the room is unattended. The air conditioner keeps the temperature at 10°C.

Maintenance & Prevention Functions



Microcomputer-Operated Defrosting

This function automatically eliminates frost and helps minimize excessive operation in other modes.



Self-Diagnostic Function

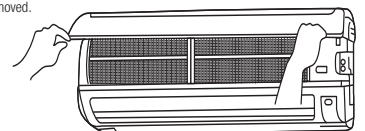
If the air conditioner malfunctions an internal microcomputer runs a self diagnosis. Inspection and repair should be performed by authorized dealers.



Detachable Indoor Air Inlet Panel

The air inlet panel on the indoor unit opens and closes easily making filter cleaning simple. The suction panel can be easily removed.

When removing the air inlet panel for internal cleaning or other reasons, open the grill by 65 degrees and then pull it to the side.



Others



Back-up Switch

On the indoor unit there is a back up on/off switch. The system will operate in the previous mode.



24-hour ION

The air conditioner body has a tourmaline coated sheet. Negative ions (2,500 -3,000/cc) are generated when the air conditioner is not running, allowing you to experience them without incurring any electrical cost.



Auto Restart Function

Power blackout auto restart function records the operational status of the air conditioner immediately prior to being switched off by a power supply interruption. The unit automatically resumes operations in the mode and temperature set point after the power has been restored.



Luminous Button

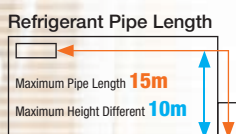
With wireless "Luminous" remote controls that even "glow in the dark", it is possible to operate all desired functions of the unit with the click of a button.

SRK-YL-S.

Cooling Only Inverter.



SRK10YL-S • SRK13YL-S • SRK18YL-S

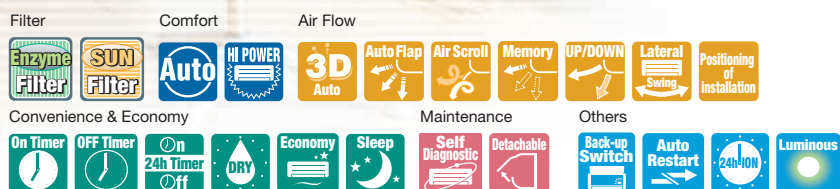


SRC18YL-S



SRC10YL-S • SRC13YL-S

FUNCTIONS



Indoor			SRK10YL-S	SRK13YL-S	SRK18YL-S
Outdoor			SRC10YL-S	SRC13YL-S	SRC18YL-S
Power supply			1 Phase 220~240V 50Hz		
Capacity	Cooling T1	kW	2.5 (1.0~2.7)	3.5 (1.0~3.7)	5.0 (1.6~5.5)
Input	Cooling T1		0.67 (0.21~0.88)	0.98 (0.21~1.24)	1.56 (0.40~2.20)
Energy Label	Cooling T1	Stars	2.5	2.5	1.5
EER	Cooling T1		3.73	3.57	3.21
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	59	62	67
Airflow	Cooling(Indoor)	L/s	133-103-75	167-113-77	200-127-78
External dimensions (HxWxD)	Indoor	mm	268x790x213		
	Outdoor		540x780(+62)x290		595x780x(+62)x290
Net weight	Indoor	kg	8.5		9.5
	Outdoor		29	32	35
Refrigerant piping	Liquid line	mm	Ø6.35		
	Gas line		Ø9.52		Ø12.7
	Connection method		Flare connection		
Refrigerant R410A	Quantity	kg	0.7	0.95	1.3
	Pre charged to pipe length	m	15		
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter		

SRK-YMA-S.

Cooling Only Inverter.

DRED enabled model

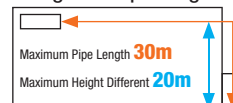


SRK24YMA-S



SRC24YMA-S

Refrigerant Pipe Length



FUNCTIONS



Indoor			SRK24YMA-S
Outdoor			SRC24YMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	7.1 (2.15~8.0)
Input	Cooling T1		2.16 (0.54~2.80)
Energy label	Cooling T1	Stars	2
EER	Cooling T1		3.29
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	66
Sound pressure level (JIS C9612)	Cooling Indoor	dB(A)	49-45-39-26
Silent mode sound pressure	Cooling Outdoor	dB(A)	45
Airflow	Cooling(Indoor)	L/s	325-292-233-133
External dimensions (HxWxD)	Indoor	mm	318x1098x248
	Outdoor		750x880(+88)x340
Net weight	Indoor	kg	16
	Outdoor		56
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø15.88
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	1.8
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

SRK20ZMA-S.

Reverse Cycle Inverter.

DRED enabled model

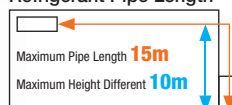


SRK20ZMA-S



SRC20ZMA-S

Refrigerant Pipe Length



FUNCTIONS

Filter



Comfort



Air Flow



Convenience & Economy



Maintenance



Others



Indoor			SRK20ZMA-S
Outdoor			SRC20ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	2.0 (1.0~2.7)
	Heating H1		2.7 (1.2~3.9)
	Heating H2		3.23
Input	Cooling T1	kW	0.44 (0.21~0.77)
	Heating H1		0.62 (0.27~1.38)
Energy label	Cooling T1	Stars	4
	Heating H1		4
EER	Cooling T1		4.55
	Heating H1		4.35
	Heating H2		2.64
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	59
	Heating(Outdoor)		58
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	33-27-24-21
	Heating(Indoor)		36-31-24-21
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	42
	Heating(Outdoor)		45
Airflow	Cooling(Indoor)	l/s	130-93-88-80
	Heating(Indoor)		163-105-83-75
External dimensions (HXWXD)	Indoor	mm	294x798x229
	Outdoor		540x780(+62)x290
Net weight	Indoor	kg	9.5
	Outdoor		31.5
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø9.52
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	0.75
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

DXK-ZMA-S.

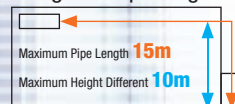
Reverse Cycle Inverter.

DRED enabled model

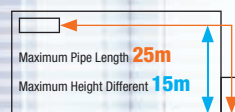


DXK09ZMA-S DXK12ZMA-S DXK18ZMA-S

Refrigerant Pipe Length



DXK09ZMA-S • DXK12ZMA-S



DXK18ZMA-S



DXC09ZMA-S DXC12ZMA-S



DXC18ZMA-S

FUNCTIONS



Indoor			DXK09ZMA-S	DXK12ZMA-S	DXK18ZMA-S
Outdoor			DXC09ZMA-S	DXC12ZMA-S	DXC18ZMA-S
Power supply			1 Phase 220~240V 50Hz		
Capacity	Cooling T1	kW	2.5 (1.0~2.9)	3.3 (1.0~3.8)	5.0 (1.6~5.5)
	Heating H1		3.2 (1.2~4.6)	4.0 (1.3~4.8)	5.8 (1.6~6.6)
	Heating H2		3.79	4.04	5.19
Input	Cooling T1	kW	0.575 (0.27~0.81)	0.87 (0.21~1.20)	1.55 (0.40~2.20)
	Heating H1		0.70 (0.27~1.36)	0.955 (0.29~1.45)	1.59 (0.42~2.10)
Energy label	Cooling T1	Stars	4	3	1.5
	Heating H1		4.5	4	2.5
EER	Cooling T1		4.35	3.79	3.23
COP	Heating H1		4.57	4.19	3.65
	Heating H2		2.62	2.80	2.40
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	58	60	61
	Heating(Outdoor)		59	61	63
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	34-28-24-21	45-32-26-22	46-37-28-25
	Heating(Indoor)		39-31-24-21	42-37-25-22	45-37-31-27
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	41	45	43
	Heating(Outdoor)		42	43	45
Airflow	Cooling(Indoor)	l/s	132-100-88-83	190-107-90-83	188-130-100-88
	Heating(Indoor)		183-108-85-77	213-157-102-80	225-170-125-103
External dimensions (HxWxD)	Indoor	mm	294x798x229		
	Outdoor		595x780(+62)x290		640x800(+71)x290
Net weight	Indoor	kg	9.5		
	Outdoor		35		41
Refrigerant piping	Liquid line	mm	Ø6.35		
	Gas line		Ø9.52		Ø12.7
	Connection method		Flare connection		
Refrigerant R410A	Quantity	kg	1.15		1.35
	Pre charged to pipe length	m	15		
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter		

DXK-ZMA-S.

Reverse Cycle Inverter.

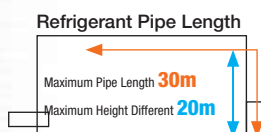
DRED enabled model



DXK24ZMA-S



DXC24ZMA-S



FUNCTIONS



Indoor			DXK24ZMA-S	
Outdoor			DXC24ZMA-S	
Power supply			1 Phase 220~240V 50Hz	
Capacity	Cooling T1	kW	7.1 (2.15~8.0)	
	Heating H1		8.0 (1.6~10.0)	
	Heating H2		7.70	
Input	Cooling T1	kW	2.16 (0.54~2.80)	
	Heating H1		2.14 (0.37~3.40)	
Energy label	Cooling T1	Stars	2	
	Heating H1		2.5	
EER	Cooling T1		3.29	
	Heating H1		3.74	
	Heating H2		2.49	
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	66	
	Heating(Outdoor)		63	
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	49-45-39-26	
	Heating(Indoor)		46-43-38-35	
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	45	
	Heating(Outdoor)		44	
Airflow	Cooling(Indoor)	l/s	325-292-233-133	
	Heating(Indoor)		358-325-258-233	
External dimensions (H×W×D)	Indoor	mm	318×1098×248	
	Outdoor		750×880(+88)×340	
Net weight	Indoor	kg	16	
	Outdoor		57	
Refrigerant piping	Liquid line	mm	Ø6.35	
	Gas line		Ø15.88	
	Connection method		Flare connection	
Refrigerant R410A	Quantity	kg	1.8	
	Pre charged to pipe length	m	15	
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter	

DXK-ZMA-S.

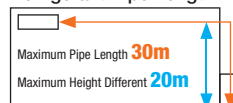
Reverse Cycle Inverter.

DRED enabled model



DXK28ZMA-S

Refrigerant Pipe Length



DXC28ZMA-S

FUNCTIONS



Indoor			DXK28ZMA-S
Outdoor			DXC28ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	8.0 (2.15~9.0)
	Heating H1		9.0 (1.7~10.5)
	Heating H2		8.10
Input	Cooling T1	kW	2.35 (0.54~3.00)
	Heating H1		2.57 (0.37~3.65)
Energy label	Cooling T1	Stars	2
	Heating H1		2
EER	Cooling T1		3.40
COP	Heating H1		3.50
	Heating H2		2.64
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	69
	Heating(Outdoor)		70
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	51-47-41-26
	Heating(Indoor)		48-45-40-37
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	48
	Heating(Outdoor)		50
Airflow	Cooling(Indoor)	l/s	350-308-250-133
	Heating(Indoor)		392-342-283-250
External dimensions (HxWxD)	Indoor	mm	318x1098x248
	Outdoor		845x970x370
Net weight	Indoor	kg	16
	Outdoor		63
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø15.88
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	2.2
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

DXK-ZMA-S.

Reverse Cycle Inverter.

DRED enabled model



DXK32ZMA-S

Refrigerant Pipe Length



DXC32ZMA-S

FUNCTIONS

Filter



Convenience & Economy



Comfort



Air Flow



Maintenance



Others



Indoor			DXK32ZMA-S
Outdoor			DXC32ZMA-S
Power supply			1 Phase 220~240V 50Hz
Capacity	Cooling T1	kW	9.2 (2.4~10.0)
	Heating H1		10.0 (2.2~11.2)
	Heating H2		9.40
Input	Cooling T1	kW	2.54 (0.47~3.07)
	Heating H1		2.84 (0.43~3.76)
Energy label	Cooling T1	Stars	2.5
	Heating H1		2
EER	Cooling T1		3.62
COP	Heating H1		3.52
	Heating H2		2.80
Sound power level (JIS C9612)	Cooling(Outdoor)	dB(A)	67
	Heating(Outdoor)		67
Sound pressure level (JIS C9612)	Cooling(Indoor)	dB(A)	51-47-41-26
	Heating(Indoor)		49-46-42-38
Silent mode sound pressure level	Cooling(Outdoor)	dB(A)	49
	Heating(Outdoor)		50
Airflow	Cooling(Indoor)	l/s	350-308-250-133
	Heating(Indoor)		392-342-283-250
External dimensions (HxWxD)	Indoor	mm	318x1098x248
	Outdoor		1300x970x370
Net weight	Indoor	kg	16
	Outdoor		92
Refrigerant piping	Liquid line	mm	Ø6.35
	Gas line		Ø15.88
	Connection method		Flare connection
Refrigerant R410A	Quantity	kg	3.15
	Pre charged to pipe length	m	15
Clean filter			Allergen Clear & Photocatalytic Washable Deodorizing Filter

eco touch REMOTE



change the settings with a **single touch**

Run / Stop

High power operation

Maximum capacity operation (15 mins max running time)

- Increased compressor speed
- Increased air flow

Energy-saving operation

- Changes set temperature at 28°C in cooling mode and 22°C in heating mode, 25°C in auto mode.
- Operation correction by outdoor temperature

Main functions

Energy management

Peak cut timer • Automatic temperature set back • Weekly timer • Set ON/OFF timer by hour
• Set ON/OFF timer by clock • Fan only operation • Sleep timer

Comfort

Individual flap control • High power operation • External ventilation ON/OFF • Warm up operation
Automatic fan speed • Temperature increment setting by 0.5°C

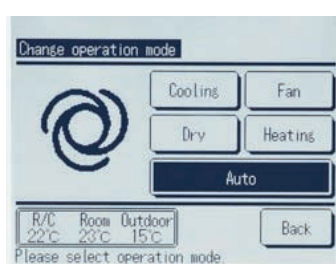
CONTROL

Advanced touch screen panel with full dot **Liquid Crystal Display**

Easy operation

All settings are changed by **tapping the touch screen panel**

Operation mode setting screen



The operation mode can be operating by simply tapping this button.



Temperature setting screen



You can select the desired temperature by tapping the ▲▼ buttons.

Operating modes



Convenience

- LCD contrast setting • Back light setting • Filter clean sign • Control sound • Outdoor silent mode
- Summer time setting • Home leave mode • Indoor & outdoor temperature display
- Heating standby display • Defrosting operation display • Auto cooling/heating display
- °C/°F display • Administrator settings • Room name setting

Service

- Error code display • Operation data display • Next service data display • Contact company display
- USB connection (mini-B)

FDUA Series.

Inverter Ducted Air Conditioners.



A Mitsubishi Heavy Industries ducted system lets you and your family enjoy the comfort of powerful air conditioning in every part of your home all year round. Quiet, efficient and reliable our ducted systems have a 5 year warranty so you can be sure you'll get quality air conditioning for years to come.

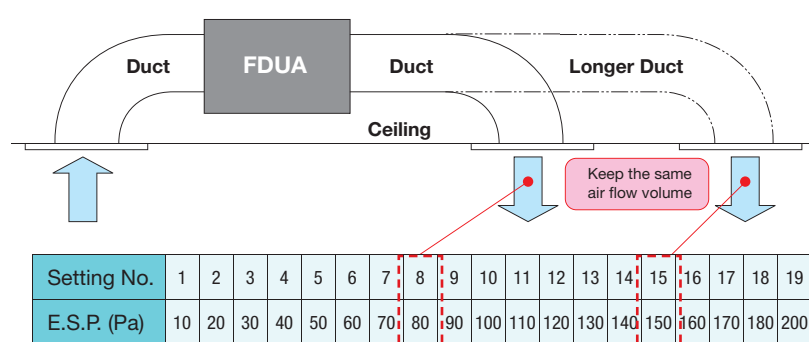
FDUA Indoor Unit.

Duct Connected - High Static Pressure.



External static pressure (E.S.P.) control

Selecting the external static pressure setting the optimum air flow volume can be achieved. The indoor unit will recognize the external static pressure setting and keep rated air volume.

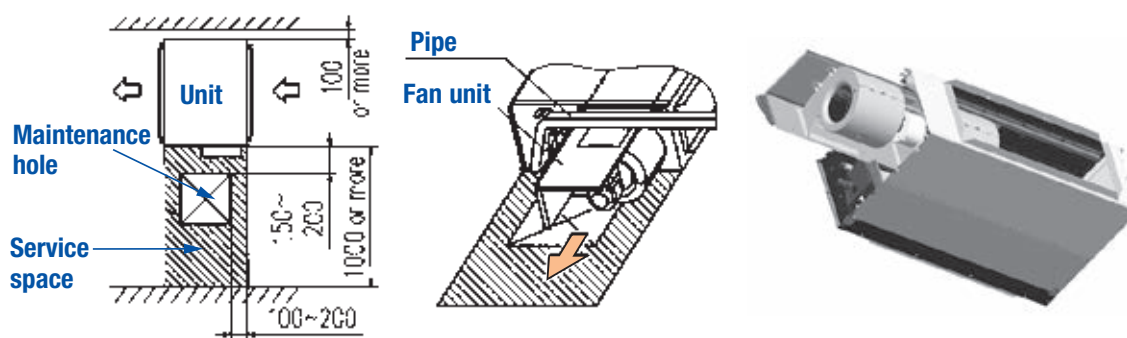


E.S.P. button

External static pressure can be set by E.S.P. button.

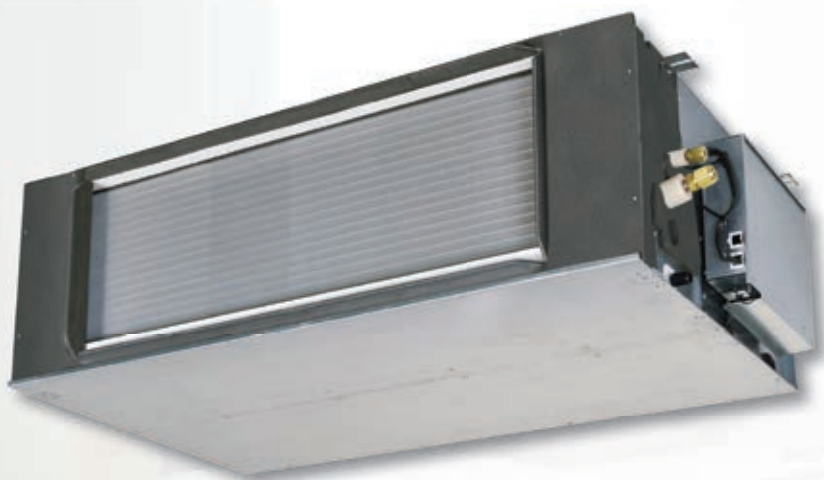
Improved servicing

Fan unit (impeller and motor) can be pulled out from the right side of the unit. Maintenance is available from the right side or from beneath.



FDUA Indoor Unit.

Duct Connected - High Static Pressure.



Remote Control Options



RC-EX1A



RC-E5



RCH-E3

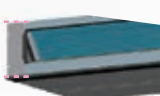
Dimension

H 398



FDUA100/125/140/160VF

H 280



FDUA71VF

Wireless

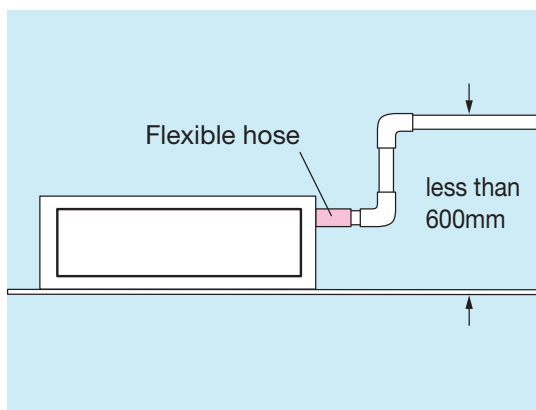


RCN-KIT3-E



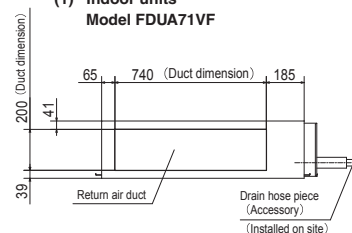
600mm Drain Pump

Drain can be discharged upwards by 600mm from the ceiling surface. It allows a piping layout with a high degree of freedom depending on the installation location.

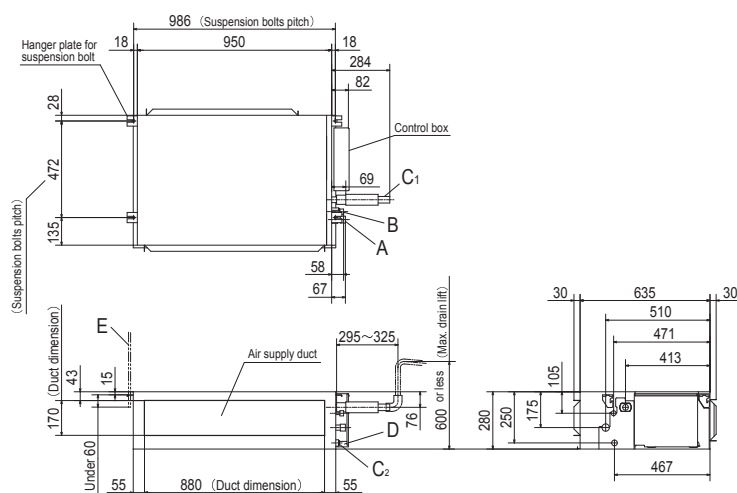


(1) Indoor units Model FDU71VF

Unit:mm



Symbol	Content
A	Gas piping $\phi 15.88$ (5/8") (Flare)
B	Liquid piping $\phi 9.52$ (3/8") (Flare)
C1	Drain piping VP25 (I.D.25,O.D.32)
C2	Drain piping (Gravity drainage) VP20 (I.D.20,O.D.26)
D	Hole for wiring
E	Suspension bolts (M10)
F	Inspection hole (450X450)



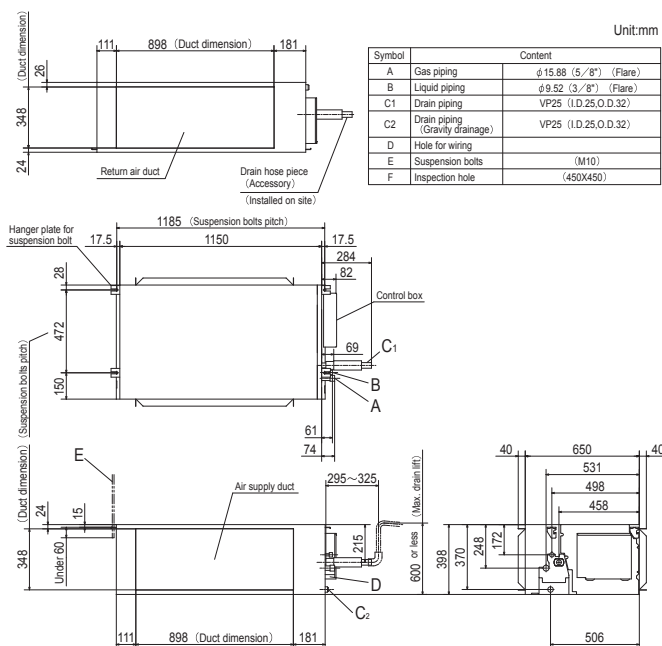
FDUA

Set			FDUA71VNXVF	FDUA100VNVF	FDUA125VNXVF	FDUA140VNXVF	FDUA160VSVF
Indoor			FDUA71VF	FDUA100VF	FDUA125VF	FDUA140VF	FDUA160VF
Outdoor			FDC71VNX	FDC100VN	FDC125VNX	FDC140VNX	FDC160VS
Power supply	Outdoor Unit		1 Phase 220~240V 50Hz				3 Phase 415V 50Hz
Capacity	Cooling T1	kW	7.1 (3.2~8.0)	10.0 (4.0~11.2)	12.5 (5.0~14.0)	14.0 (5.0~14.5)	16.0 (7.0~20.0)
	Heating H1		8.0 (3.6~9.0)	11.2 (4.0~12.5)	14.0 (4.0~17.0)	16.0 (4.0~18.0)	18.0 (7.6~22.4)
Input	Cooling T1	kW	2.22	3.05	3.83	4.44	5.02
	Heating H1		2.22	2.87	3.68	4.41	4.96
EER	Cooling T1		3.20	3.28	3.26	3.15	3.19
COP	Heating H1		3.60	3.90	3.80	3.63	3.63
Sound pressure level (JIS C9612)	Indoor	dB(A)	P-Hi:38 Hi:33 Me:29 Lo:25	P-Hi:43 Hi:42 Me:40 Lo:37	P-Hi:45 Hi:43 Me:41 Lo:37	P-Hi:47 Hi:46 Me:43 Lo:40	P-Hi:49 Hi:48 Me:45 Lo:42
	Outdoor		51	49	48	49	57
Sound power level (JIS C9612)	Outdoor	dB(A)	66	70	70	72	74
Airflow	Indoor	l/s	P-Hi: 400 Hi: 317 Me: 250 Lo: 167	P-Hi:650 Hi:600 Me:550 Lo:483	P-Hi:717 Hi:650 Me:600 Lo:500	P-Hi:850 Hi:800 Me:700 Lo:600	P-Hi:850 Hi:800 Me:700 Lo:600
External static pressure		Pa	Maximum 200				
External dimensions (H×W×D)	Indoor	mm	280x950x635	398x1150x650			
	Outdoor		750x880(+88)x340	845x970x370	1300x970x370	1300x970x370	1505x970x370
Net weight	Indoor	kg	34	52			
	Outdoor		60	81	105		140
Refrigerant piping	Liquid line	mm	Ø9.52				Ø12.7
	Gas line		Ø15.88				Ø22.22, Ø25.4 or Ø28.58*
	Connection method		Flare Connection				Liquid:Flare, Gas:Brased
Refrigerant R410A	Quantity	kg	2.95	3.8	4.5		7.2
	Pre charged to pipe length	m	30				
Maximum pipe length		m	50		100		*70
Supply air connection		mm	170x880	348x898			
Return air connection		mm	200x740	348x898			
Controller			RC-EX1A Options RC-E5 or RCN-KIT3-E				

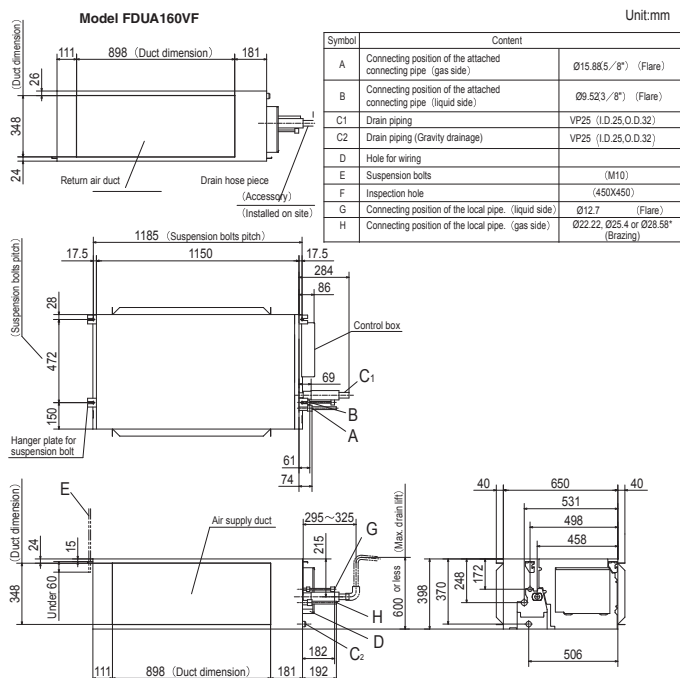
*Use Ø22.22 for pipe run up to 35 metres. Use either Ø25.4 or Ø28.58 for pipe run exceeding 35metres up to maximum 70 metres.

*Use Ø22.22 for pipe run up to 35 metres. Use either Ø25.4 or Ø28.58 for pipe run exceeding 35metres up to maximum 70 metres.

Models FDUA100VF, 125VF, 140VF



Model FDUA160VF



Outline drawing (Unit:mm)

FDT-VF.

Reverse Cycle Inverter Cassette.

4-way ceiling cassette



Remote control (Option)

FDT60 ~ 140VF

Wired



RC-EX1A



RC-E5



RCH-E3

Wireless



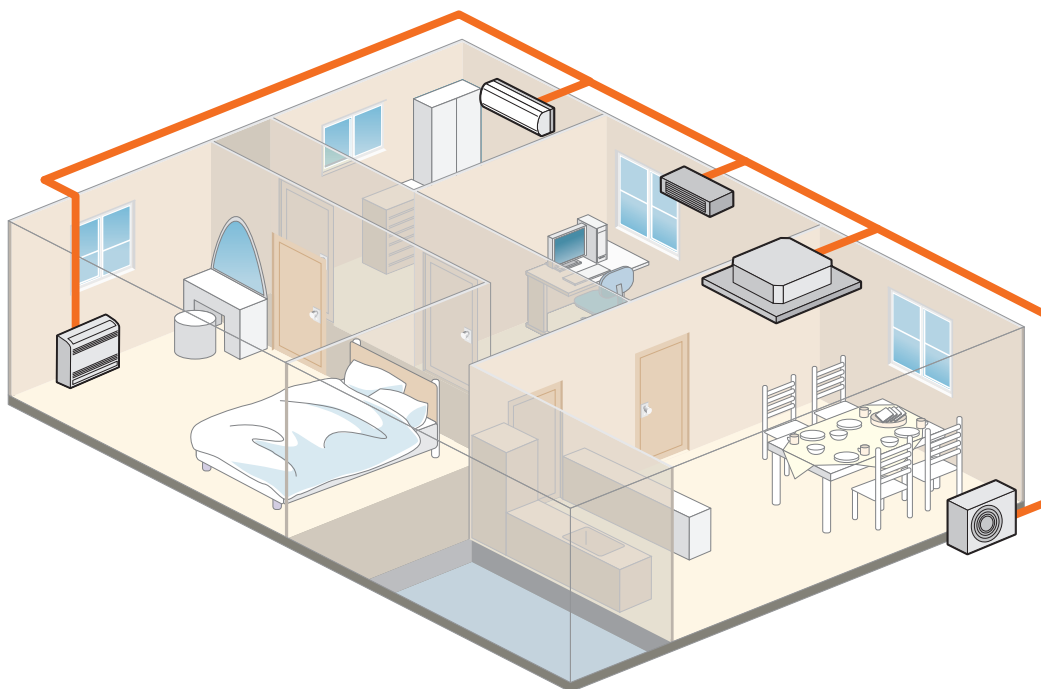
RCN-T-36W-E

FDT

Set			FDT60ZMXAVF	FDT71VNXVF1	FDT100VNVF1	FDT125VNXVF	FDT140VNXVF
Indoor			FDT60VF	FDT71VF1	FDT100VF1	FDT125VF	FDT140VF
Outdoor			SRC60ZMXA-S	FDC71VNX	FDC100VN	FDC125VNX	FDC140VNX
Power supply	Indoor Unit		1 Phase 220-240V 50Hz				
Capacity	Cooling T1	kW	5.6 (1.1-6.3)	7.1 (3.2-8.0)	10.0 (4.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)
	Heating H1		6.7 (0.6-7.1)	8.0 (3.6-9.0)	11.2 (4.0-12.5)	14.0 (4.0-17.0)	16.0 (4.0-18.0)
	Heating H2		5.29	7.2	N/A	15.6	13.8
Input	Cooling T1	kW	1.52	2.04	2.76	3.28	4.19
	Heating H1		1.70	1.94	2.74	3.43	4.2
EER	Cooling T1		3.68	3.48	3.62	3.81	3.34
COP	Heating H1		3.94	4.12	4.09	4.08	3.81
Sound pressure level (JIS C9612)	Indoor	dB(A)	P-Hi:46 Hi:33 Me:31 Lo:30	P-Hi:46 Hi:35 Me:33 Lo:31	P-Hi:51 Hi:40 Me:37 Lo:35	P-Hi:51 Hi:42 Me:40 Lo:37	P-Hi:51 Hi:43 Me:41 Lo:38
	Outdoor		54	51	49	50	52
Sound power level (JIS C9612)	Outdoor	dB(A)	65	66	70		72
Airflow	Indoor	l/s	P-Hi: 466 Hi: 300 Me: 266 Lo: 233	P-Hi: 466 Hi: 350 Me: 316 Lo: 283	P-Hi: 616 Hi: 450 Me: 400 Lo: 333	P-Hi: 616 Hi: 500 Me: 450 Lo: 383	P-Hi: 616 Hi: 500 Me: 450 Lo: 383
Panel		mm	T-PSA-3BW-E (35x950x950)				
External dimensions (HxWxD)	Indoor	mm	246x840x840			298x840x840	
	Outdoor		640x800(+71)x290	750x880(+88)x340	845x970x370	1300x970x370	
Net weight	Indoor	kg	Unit 24 Panel 5.5			Unit 27 Panel 5.5	
	Outdoor		45	60	81	105	
Refrigerant piping	Liquid line	mm	Ø6.35	Ø9.52			
	Gas line		Ø12.7	Ø15.88			
	Connection method		Flare connection				
Refrigerant R410A	Quantity	kg	1.5	2.95	3.8	4.5	
	Pre charged to pipe length	m	15	30			
Maximum pipe length		m	30	50			100
Controller			RC-EX1A Options RC-E5 or RCN-T-36W-E				

SCM.

Multi Residential Air Conditioner.



Compact

A Mitsubishi Heavy Industries inverter multi-split system allows 2 to 6 indoor units to be connected to a single outdoor unit. This allows multiple rooms to be conditioned without adding clutter to the exterior of your home. One compact multi-split outdoor unit instead of many outdoor units not only adds to the aesthetic appeal your home but can be necessary when there is not much space available, for example, when installing outdoor units on balconies or verandahs.

Installation Flexibility

With a generous maximum piping length of 70m*, you are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience. In addition, a maximum height difference of 25m* for the indoor units means the Mitsubishi Heavy Industries inverter multi-split system can easily service multi storey homes.

Variety of Indoor Units

The indoor unit range includes wall mounted, floor standing, low static bulkhead or compact cassettes in a wide range of capacities. This makes hundreds of combinations possible for your home. You can choose the right type of indoor unit to complement the interior décor and match the size of each room.

Independent Control and Comfort

Each indoor unit comes with its own remote allowing the unit to be switched on/off and have the temperature adjusted as needed. The conditions of rooms can vary greatly depending on many variables such as the number of occupants or the way the room is used. With a range of comfort, air flow and convenience functions on each indoor unit, you can adjust the settings to match the individual requirements of a room. When a room is unoccupied you can switch off the unit to reduce inefficient energy use.

5 Year Warranty

When you buy a Mitsubishi Heavy Industries inverter multi-split system, you are getting an air conditioning solution from a company that has some of the highest quality products in the industry. Mitsubishi Heavy Industries enjoys a reputation for outstanding quality and is highly respected both in the Australian and overseas markets. With our 5 Year Warranty covering the parts, labour and compressor, you can have peace of mind that your new Mitsubishi Heavy Industries inverter multi-split system will continue to deliver air-conditioning comfort to your home for many years.

*Please check model specifications as these pipe lengths and height differences do not apply to all models.

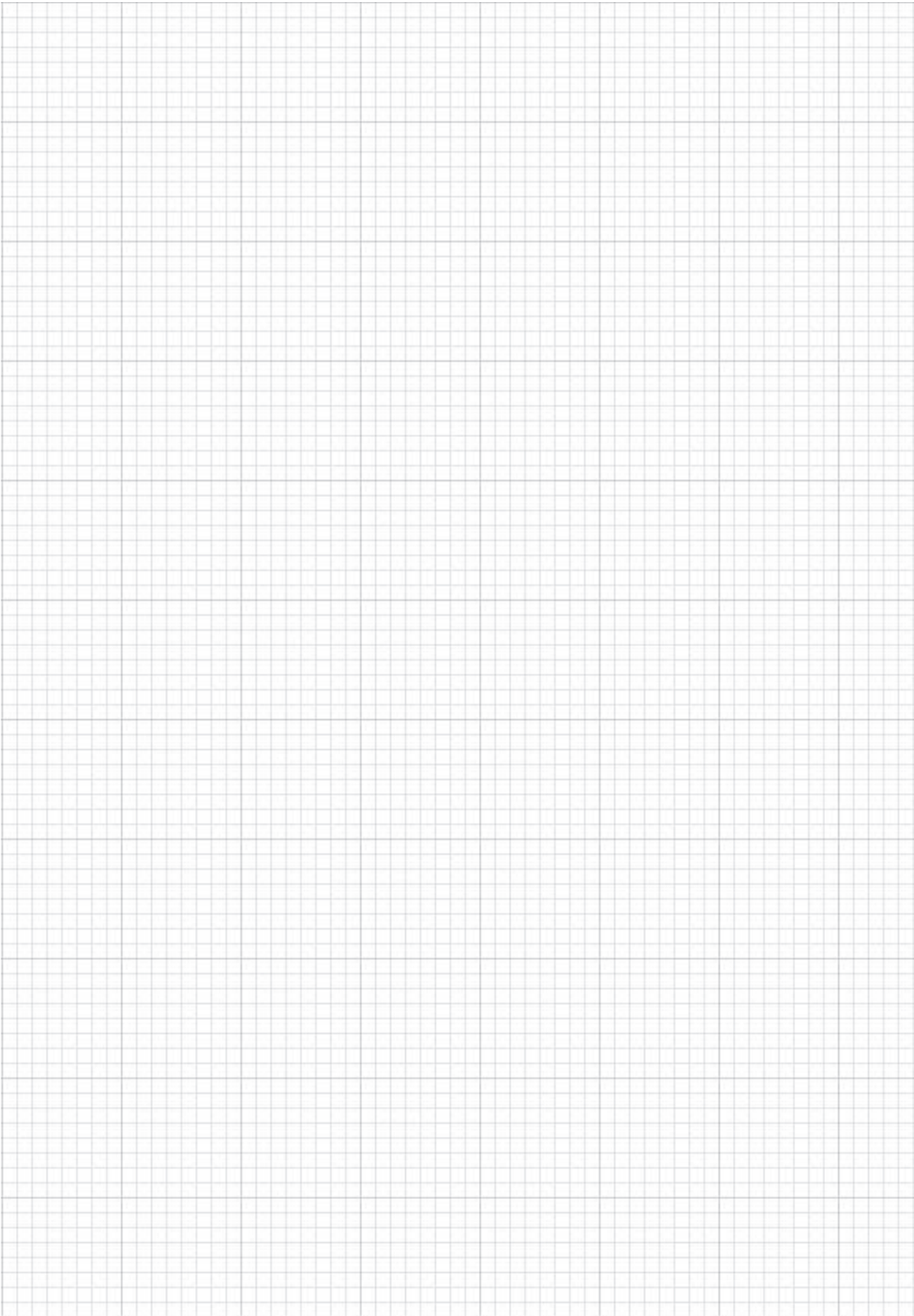
Room Air Conditioner Sizing Table

A class	Insulated roof space, walls and sub floor, full brick or brick veneer construction average size windows with awnings full shading south facing aspect, temperate weather conditions.
B class	Insulated roof space, full brick or brick veneer construction average size windows with internal shades north facing aspect, temperate climate.
C class	Insulated roof space, full brick or brick veneer construction average size windows with internal shades east facing aspect or sub tropical climate.
D class	Little or no insulation, weatherboard, fibro or brick veneer construction, large windows, no shading from the sun westerly facing aspect.

* This guide has been developed to cover the majority of normal residential air conditioning situations and as per AS/NZS 3823 performance data. If unusual or abnormal conditions apply, a heat load survey should be conducted.

Selection Chart Cooling	A	B	C	D	max floor area metres squared
SRK20ZMA-S SRK20ZMXA-S	20	16	14	12	
DXK09ZMA-S SRK25ZMXA-S SRK10YL-S	25	21	18	15	
DXK12ZMA-S SRK35ZMXA-S SRK13YL-S	35	29	25	21	
SXK18ZMA-S SRK50ZMXA-S SRK18YL-S	51	43	36	30	
SRK60ZMXA-S	60	50	47	37	
DXK24ZMA-S SRK24YMA-S	71	59	51	42	
DXK28ZMA-S	75	63	55	46	
DXK32ZMA-S	83	69	58	50	
Selection Chart Heating	A	B	C	D	max floor area metres squared
SRK20ZMA-S SRK20ZMXA-S	27	23	20	16	
DXK09ZMA-S SRK25ZMXA-S	34	28	24	20	
DXK12ZMA-S SRK35ZMXA-S	40	33	29	24	
DXK18ZMA-S SRK50ZMXA-S	58	48	41	34	
SRK60ZMXA-S	68	57	48	39	
DXK24ZMA-S	80	67	57	47	
DXK28ZMA-S	85	72	62	52	
DXK32ZMA-S	90	77	67	57	

Notes



Before starting use

Heating performance

The heating performance values (kW) described in catalogue are the values obtained by operating at an outdoor temperature of 7°C and indoor temperature of 20°C as set forth in the ISO Standards. As the heating performance decreases as the outdoor temperature drops, if the outdoor temperature is too low and the heating performance is insufficient, use other heating appliances as well.

Indication of sound values

The sound values are the values (A scale) measured in a chamber such as an anechoic chamber following the ISO Standards. In the actual installation state, the value is normally larger than the values given in the catalogue due to the effect of surrounding noise and echo. Take this into consideration when installing.

Use in oil atmosphere

Avoid installing this unit in an atmosphere where oil scatters or builds up, such as in a kitchen or machine factory.

If the oil adheres to the heat exchanger, the heat exchanging performance will drop, mist may be generated, and the synthetic resin parts may deform and break.

Use in acidic or alkaline atmosphere

If this unit is used in acidic atmosphere such as hot spring areas having high level of sulfuric gases or in alkaline atmosphere including ammonia or calcium chloride, places where the exhaust of the heat exchanger is sucked in, or at coastal areas where the unit is subject to salt breezes, the outer plate or heat exchanger, etc., will corrode. Please ask a dealer or specialist when you use an air conditioner in places differing from a general atmosphere.

Use in places with high ceilings

If the ceiling is high, install a circulator to improve the heat and air flow distribution when heating.

Refrigerant leakage

The refrigerant (R410A) used for Air conditioner is non-toxic and nonflammable in its original state.

However, in consideration of a state where the refrigerant leaks into the room, measures against refrigerant leaks must be taken in small rooms where the tolerable level could be exceeded. Take measures by installing ventilation devices, etc.

Use in snowy areas

Take the following measures when installing the outdoor unit in snowy areas.

Snow prevention

Install a snow-prevention hood so that the snow does not obstruct the air intake port or enter and freeze in the outdoor unit.

Snow piling

In areas with heavy snow fall, the piled snow could block the air intake port. In this case, a frame that is 50cm or higher than the estimated snow fall must be installed underneath the outdoor unit.

Automatic defrosting device

If the temperature is low, and the humidity is high, frost will stick to the heat exchanger of the outdoor unit. If use is continued, the heating performance will drop. The "Automatic defrosting device" will function to remove this frost. After heating for approx. three to ten minutes, it will stop, and the frost will be removed. After defrosting, hot air will be blown again.

Servicing the air-conditioner

After the air-conditioner is used for several seasons, dirt will build up in the air-conditioner causing the performance to drop. In addition to regular servicing, we recommend the maintenance contract (charged for) by a specialist.

! Safety Precautions

Air-conditioner usage target

The air-conditioner described in this catalogue is a dedicated cooling/heating device for human use. Do not use it for special applications such as the storage of foodstuffs, animals or plants, computer server rooms, precision devices or valuable art, etc. This could cause the quality of the items to drop, etc. Do not use this for cooling vehicles or ships. Water leakage or current leaks could occur.

Before use

Always read the "User's Manual" thoroughly before starting use.

Installation

Always commission the installation to a dealer or specialist. Improper installation will lead to water leakage, electric shocks and fires. Make sure that the outdoor unit is stable in installation. Fix the unit to stable base.

Usage place

Do not install in places where combustible gas could leak or where there are sparks. Installation in a place where combustible gas could be generated, flow or accumulate, or places containing carbon fibers could lead to fires.

Only persons that are qualified and licensed are permitted to install and service products that contain refrigerants in Australia, go to www.arctick.org. Suitable access for service must be provided in compliance with industry standards and local regulations.



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